NZ TRANSPORT AGENCY
WAKA KOTAHI

Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name *(PRINT IN CAPS)*: CHRIS CLARKE

ID: CJC

Vehicle registration *(optional)*:

VIN/chassis number: 7A9D15024J1023808

Make: DOMETT

Component being certified:

- [ ] Chassis
- [ ] Load anchorage
- [ ] Log bolsters
- [ ] Towing connection
- [X] Brakes
- [ ] SRT
- [ ] PSV stability
- [ ] PSV rollover
- [ ] Swept path
- [ ] PBS

Model *(optional)*:

Certification category: HVEK

Description of work

CERTIFY TO SCHEDULE 5 OF LTR 32015/4
NEW ZEALAND HEAVY VEHICLE BRAKE SPECIFICATION.
RSS ON: TWIN / SINGLE TYRE. TYRE SIZE = 265/70 R19.5

Code/standard/rule certified to: LTR 32015/4

Component load rating(s): 42 Tonnes GVM
26 Tonnes (Group ratings)

General drawing number(s): N/A

Supporting documents

BRAKE CODE CERTIFICATE JH190315
BRAKE CALCULATION # TP51876

Special conditions *(optional)*

WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEEDS 7 KM/H

Certification expiry date *(if applicable)*: N/A [UNLESS MODIFIED]

or

Hubodometer reading *(whichever comes first)*:

Declaration

I the undersigned, declare that I am the heavy vehicle specialist inspector identified and I hold a current valid appointment. I certify that the above mentioned vehicle component's design, manufacture and installation, and this certification complies in all respects with the Land Transport Rule: Vehicle Standards Compliance 2002 and my appointment. To the best of my knowledge the information contained in the certificate is true and correct.

Designer's ID *(if different from inspector below)*:

Inspector's signature:

Inspector's name *(PRINT IN CAPS)*: CHRIS CLARKE

ID number: CJC

Date: 26-Mar-19

Number: 677429

CoF vehicle inspector ID *(if applicable)*:

CoF vehicle inspector signature *(if applicable)*:

Date:

All fields are mandatory unless otherwise stated.

WABCO START-UP LOG

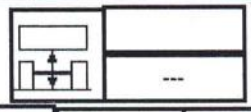
System	Trailer EBS-E	**WABCO part number**	480 102 080 0
Production date	2018-08-25	**Serial number**	437006184800E
Serial number (modulator)	000000580405		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2019-03-26 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

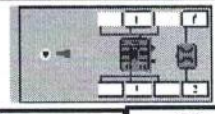
WABCO TRAILER EBS-E

GGVS/ADR TUEH TB 2007 - 019.00
TDB0749

HERSTELLER / MANUFACTURER / CONSTRUCTEUR	DOMETT TRAILERS				
TYP / TYPE / TYPE	4AS PLATFORM				
VEHICLE IDENT. NUMBER / CHASSIS NUMBER / NUMERO DE CHASSIS	7A9D15024J1023808				
BREMSBERECHNUNGS-NR. / BRAKE CALCULATION NO. / CALCUL DE FREINAGE NO.	TP51876S				
POLRADZAHNEZAHL c-d | e-f / POLE WHEEL TEETH c-d | e-f / DENTS ROUE DENTÉE c-d | e-f	90	90	ABS-System / ABS-System / Système ABS	4S/3M	
RSS / RSS / RSS Einfachbereifung / Single Tire / Monte simple			Lenkachse / Steering axle / Essieu vireur	X	
RSS / RSS / RSS Zwillingsbereifung / Twin Tire / Monte jumelée	X		Kippkritisches Fahrzeug / Critical Trailer / Véhicule critique		
Subsystems	SB		I/O	24N	

GIO	Pin1	Pin3	Pin4
1	24V-O1	---	---
2	eTASC	---	eTASC
3	---	RDL	SAC
4	---	---	LS1
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---





	pm (bar)		6.5	pm (bar)		0.7	2.0	---	6.5		TYP / TYPE	(mm)	(mm)	(bar) 1.0	Pz
ACHSE / AXLE / ESSIEU									pz					TR (daN)	
1	1420	0.5	2.0	6500	4.0	0.3	1.4	---	5.3	-	14 / 16	64	69	437	2867
2	1420	0.5	2.0	6500	4.0	0.3	1.4	---	5.3	-	14 / 16	64	69	437	2867
3	1420	0.5	2.0	6500	4.0	0.3	1.4	---	5.3	-	14	64	69	437	2867
4	1420	0.5	2.0	6500	4.0	0.3	1.4	---	5.3	-	14	64	69	437	2867
5	0	---	---	0	---	---	---	---	---	-	---	---	---	---	---

TEBS-E

Diagnostic memory	OK	**Warning lamp control**	OK
Parameter setting	carried out	**Stop light supply**	OK
EBS pressure test	OK	**Lifting axle test**	Not tested
Redundancy test	OK	**ECAS height sensor calibration**	Not tested
ABS sensor assignment	OK	**Height sensor axle load**	Not tested
RTR test	Not tested	**Leak test**	Not tested
Immobilizer test	Not tested	**Signal outputs**	Not tested
Signal inputs	Not tested	**Tag axle test**	Not tested

Electronic Extension Module

Diagnostic memory	Not tested	**Signal outputs**	Not tested
TailGUARDlight	Not tested	**TailGUARD**	Not tested

Manufacturer	DOMETT TRAILERS	**Vehicle ident. no**	7A9D15024J1023808
Vehicle type	4AS PLATFORM	**Odometer reading**	0.0 km
next Service	0 km	**Trip reading**	0.0 km
Tester	Chris Clarke		
Date	2019-03-26 1:08:30 p.m.	**Signature**	

trailer (full, semi-, centre-axle) with air brake system acc. to UN/ECE-R.13.11

distribution: DOMETT TRAILERS
7A9D15024J1023808
SODC: JH190315
LT400: CJC 677429

please note!

This brake calculation is made under consideration of
-the legal precriptions mentioned above in the version valid at the time of making the program (V6.14.04.20).
-the functional characteristics of our products as well as the data of the brake out of the test approvals of the axle manufacturers, and
-the other vehicle data included in the brake calculation.
Please check whether these data correspond to the actual vehicle data.
Our conditions of delivery apply (particularly section 9.0).
In any case we commend to do a braking harmonisation!
WABCOBrake V6.14.04.20 db 03.11.2017

vehicle manufacturer: DOMETT TRAILERS
trailer model : 4AS PLATFORM
trailer type : 4-axle-semi-trailer
remarks : air / hydraulic / VA suspension
WABCO TRAILER - EBS E
TRISTOP 1+2: T.14/24 [TSE1416HTLD64 ACTUALLY FITTED - SEE PAGE 7 FOR PERFORMANCE DATA]
265/70 R 19,5

axle 1 + 2 + 3 + 4 : SAF, SBW 1937, TDB 0749 ECE,

		unladen	laden
total mass	P in kg	7000 - 8000	42000 - 44000
king-pin	PS kg	1320 - 2320	16000 - 18000
axle 1	P1 in kg	1420	6500
axle 2	P2 in kg	1420	6500
axle 3	P3 in kg	1420	6500
axle 4	P4 in kg	1420	6500
total axle mass	PR in kg	5680	26000
wheel base	E in mm	9200 - 9200	
centre of gravity height	h in mm	750	2100
K-factor		Kv min 2.0948	Kc min 1.0867
K-factor		Kv max 2.1076	Kc max 1.0939

		axle 1	axle 2	axle 3	axle 4
no. of combined axles		1	1	1	1
no. of brake chambers per axle line	KDZ	2	2	2	2
The power output corresponds to		BZ 119.6	BZ 119.6	BZ 122.1	BZ 122.1
brake chamber manufacturer		Meritor	Meritor	Meritor	Meritor
chamber size		T.14/24	T.14/24	14.	14.
lever length	lBh in mm	69	69	69	69
brake factor	[-]	23.03	23.03	23.03	23.03
dyn. rolling radius	rdyn min in mm	421	421	421	421
dyn. rolling radius	rdyn max in mm	421	421	421	421
threshold torque	Co Nm	6.0	6.0	6.0	6.0

calculation:

chamber pressure(rdyn min)pH at z=22,5%	bar	2.1	2.1	2.1	2.1
chamber pressure(rdyn max)pH at z=22,5%	bar	2.1	2.1	2.1	2.1
chamber press.(servo)pcha at pm6,5bar	bar	5.3	5.3	5.3	5.3
piston force ThA at pm6,5bar	N	5087	5087	5087	5087
brake force(rdyn min)T lad. at pm6,5bar	N	38425	38425	38425	38425
brake force(rdyn max)T lad. at pm6,5bar	N	38425	38425	38425	38425
brake force within 1 % rolling friction proportion	%	25.0	25.0	25.0	25.0

braking rate z laden
z = sum (TR)/PRmax

0.603 for rdyn min
0.603 for rdyn max

Trailer may only be operated in combination with trucks/tractors with ISO 7638 supply (5 or 7 polar).

brake diagram : 841 701 050 0

maximum pressure: 8.5 bar

axle 1:
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 2:
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 3:
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 14HSCLD64

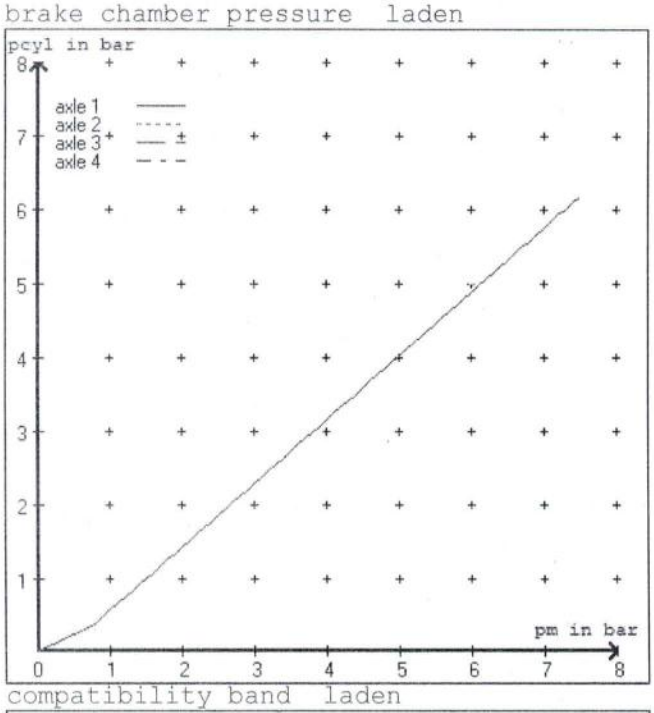
axle 4:
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 207 0.. 0 WABCO or 480 207 2.. 0
EBS relay valve

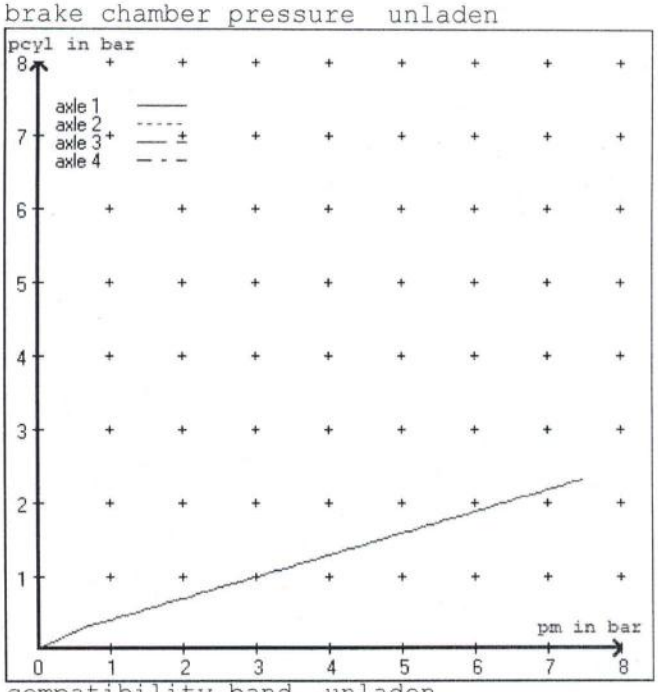
brake cylinder: Meritor 14HSCLD64

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	
at pm 3.6 bar =>	pcha in bar :	2.8	2.8	2.8	2.8	
test type III (zIII = 0.06)	for rdyn min :	axle1	axle2	axle3	axle4	
at pm 1.2 bar =>	pcha in bar :	0.7	0.7	0.7	0.7	

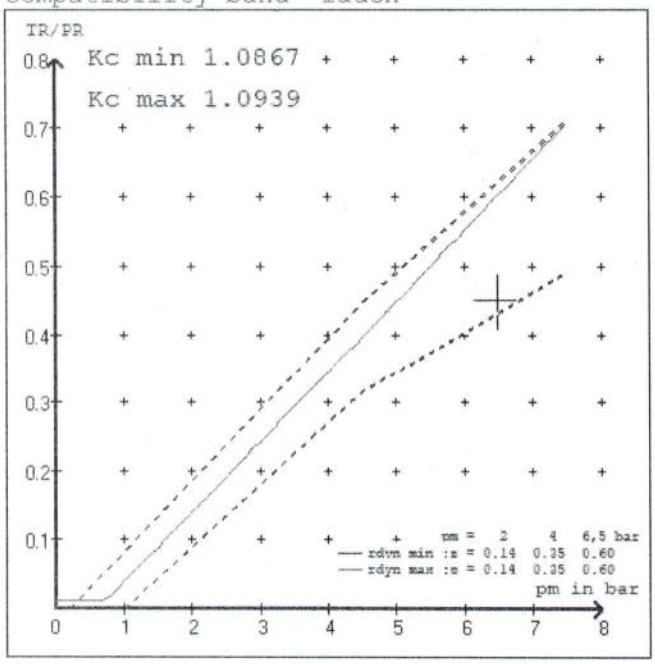
brake chamber pressure laden



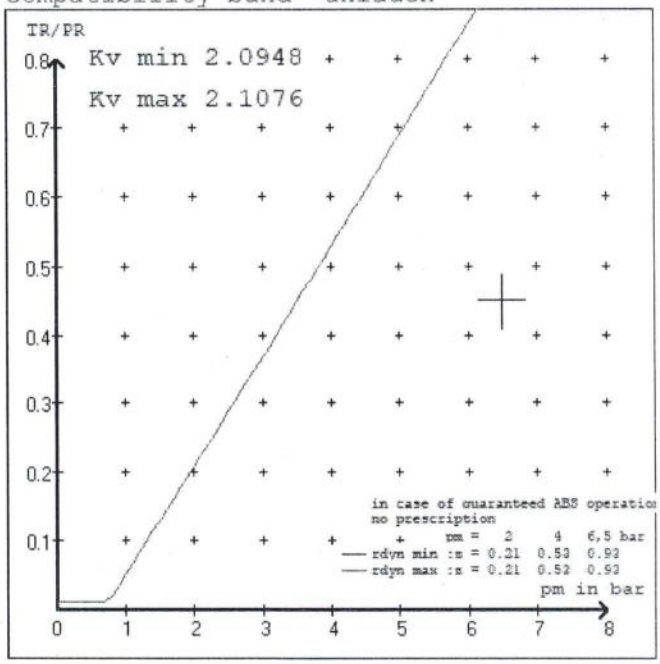
brake chamber pressure unladen



compatibility band laden



compatibility band unladen



vehicle manufacturer: DOMETT TRAILERS
trailer model : 4AS PLATFORM
trailer type : 4-axle-semi-trailer

brake chamber and lever length :
axle 1 : 2 x type/diameter T.14/24 (Meritor) lever length 69 mm
axle 2 : 2 x type/diameter T.14/24 (Meritor) lever length 69 mm
axle 3 : 2 x type/diameter 14. (Meritor) lever length 69 mm
axle 4 : 2 x type/diameter 14. (Meritor) lever length 69 mm

brake diagram : 841 701 050 0

valve :
971 002 ... 0 WABCO EBS emergency valve
480 102 ... 0 WABCO EBS trailer modulator
480 207 0.. 0 WABCO EBS relay valve or 480 207 2.. 0

EBS input data
==========
vehicle manufacturer: DOMETT TRAILERS
trailer model : 4AS PLATFORM
trailer type : 4-axle-semi-trailer
brake calculation no. : TP 51876S

tire circumference main axle : 2650 for rdyn max
tire circumference auxiliary axle : 2650 for rdyn max

assignment pm / deceleration z: pm 0.7 bar z = 0.010
(laden condition) 2.0 bar z = 0.142
6.5 bar z = 0.600

control pressure pm			6,5	control pressure pm		0.7	2.0	6.5
axle	axle load unladen	bellow pr. unladen	brake pr. unladen	axle load laden	bellow pr. laden	brake pr. laden		
1	1420	to be entered by the vehicle manufact.	2.0	6500	to be entered by the vehicle manufact.	0.3	1.4	5.3
2	1420		2.0	6500		0.3	1.4	5.3
3	1420		2.0	6500		0.3	1.4	5.3
4	1420		2.0	6500		0.3	1.4	5.3
5	0		0,0	0		0,0	0,0	0,0

The unladen values indicated in the above table are values for the basic parameter set. Higher unladen axle loads and liftaxles are automatically recognized and do not require separate adjustment.
The above unladen axle loads must not be fallen below.
==========

axle 1		axle 2		axle 3		axle 4	
axle load	pcyl	axle load	pcyl	axle load	pcyl	axle load	pcyl
1420	2.0	1420	2.0	1420	2.0	1420	2.0
1920	2.3	1920	2.3	1920	2.3	1920	2.3
2420	2.6	2420	2.6	2420	2.6	2420	2.6
2920	3.0	2920	3.0	2920	3.0	2920	3.0
3420	3.3	3420	3.3	3420	3.3	3420	3.3
3920	3.6	3920	3.6	3920	3.6	3920	3.6
4420	3.9	4420	3.9	4420	3.9	4420	3.9
4920	4.3	4920	4.3	4920	4.3	4920	4.3
6500	5.3	6500	5.3	6500	5.3	6500	5.3

data sheet to ECE vehicle type-approval certificate concerning braking equipment: according to ECE R13 annex 11

axle 1 :	reference axle: SAF	SBW 1937	brake lining:	Jurid 539
	test report :	TDB 0749 ECE	date :	20130930 30.09.2013
axle 2 :	reference axle: SAF	SBW 1937	brake lining:	Jurid 539
	test report :	TDB 0749 ECE	date :	20130930 30.09.2013
axle 3 :	reference axle: SAF	SBW 1937	brake lining:	Jurid 539
	test report :	TDB 0749 ECE	date :	20130930 30.09.2013
axle 4 :	reference axle: SAF	SBW 1937	brake lining:	Jurid 539
	test report :	TDB 0749 ECE	date :	20130930 30.09.2013

calc. verif. of residual (hot) braking force type III
(item 4.2.1 of appendix 2 to annex 11)

axle 1	(rdyn 421 mm)	T = 19.1 % Fe
axle 2	(rdyn 421 mm)	T = 19.1 % Fe
axle 3	(rdyn 421 mm)	T = 19.1 % Fe
axle 4	(rdyn 421 mm)	T = 19.1 % Fe

calculated actuator stroke in mm
(item 4.3.1.1 of appendix 2 to annex 11)

axle 1	(sp = 56 mm)	s = 39 mm
axle 2	(sp = 56 mm)	s = 39 mm
axle 3	(sp = 56 mm)	s = 39 mm
axle 4	(sp = 56 mm)	s = 39 mm

average thrust output in N at pm = 6,5 bar (however max. pcha = 7,0 bar)

axle1	ThA = 5087 N
axle2	ThA = 5087 N
axle3	ThA = 5087 N
axle4	ThA = 5087 N

calc. residual (hot) braking force in N
(item 4.3.1.4 of appendix 2 to annex 11)

axle 1	(rdyn 421 mm)	T = 30051 N
axle 2	(rdyn 421 mm)	T = 30051 N
axle 3	(rdyn 421 mm)	T = 30051 N
axle 4	(rdyn 421 mm)	T = 30051 N

	basic test of subject trailer (E)	type III (calculated) residual (hot)braking
braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11)	0.60	0.47
required braking rate (items 1.5.3 and 1.7.2 to annex 11)		>= 0,4 and >= 0,6*E (0.36)

axle 1	(rdyn 421 mm)	T = 30051 N
axle 2	(rdyn 421 mm)	T = 30051 N
axle 3	(rdyn 421 mm)	T = 30051 N
axle 4	(rdyn 421 mm)	T = 30051 N

	basic test of subject trailer (E)	type III (calculated) residual (hot)braking
braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11)	0.60	0.47
required braking rate (items 1.5.3 and 1.7.2 to annex 11)		>= 0,4 and >= 0,6*E (0.36)

spring parking brake

		axle 1	axle 2
no of TRISTOP-actuators per axle line	KDZ	2	2
TRISTOP-actuator type		T.14/16	T.14/16
lever length	lBh in mm	69	69
stat. tyre radius	rstat max in mm	401	401
at a stroke of	s in mm	30	30
min. force of spring brake	TFZ in N	6160	6160
sp.brake chamber no Meritor.....		4	4
release pressure	pLs in bar	4.8	4.8

calculation:

ratio until road		3.9674	3.9674
iFb = lBh*Eta*C*rBt/(rBn*rstat)			
	for rstat in mm	401	401
brake force of spring br. Tf	in N	48188	48188
Tf = (TFZ*KDZ-2*Co/lBh)*iFb			
braking rate	zf laden	0.388	
zf =			

Test of the frictional connection required by the parking brake

minimum wheelbase/minimum supporting width min Ef necessary to fulfil the regulations

min Ef = E * (1 - PR/P + zferf * h/E) / (1 - zferf / (fzul * nf/ng))

min Ef = 7530 mm for E = 9200 mm

min Ef = 7530 mm for E = 9200 mm

min Ef	=		minimum distance between front axle(s) (trailer) or support (semitraile
and the rear axle(s)			(resultant of the bogie)
E	=		wheel base
fzul	=	0.80	maximum permissible frictional connection required
zferf	=	0.18	maximum required braking ratio of the parking brake
h	=	2100 mm	height of center of gravity - laden
PR	=	26000 kg	maximum bogie mass - laden
P	=	44000 kg	maximum total mass - laden
nf	=	2	no. of axle(s) with TRISTOP spring brake actuators
ng	=	4	no. of bogie axle(s)

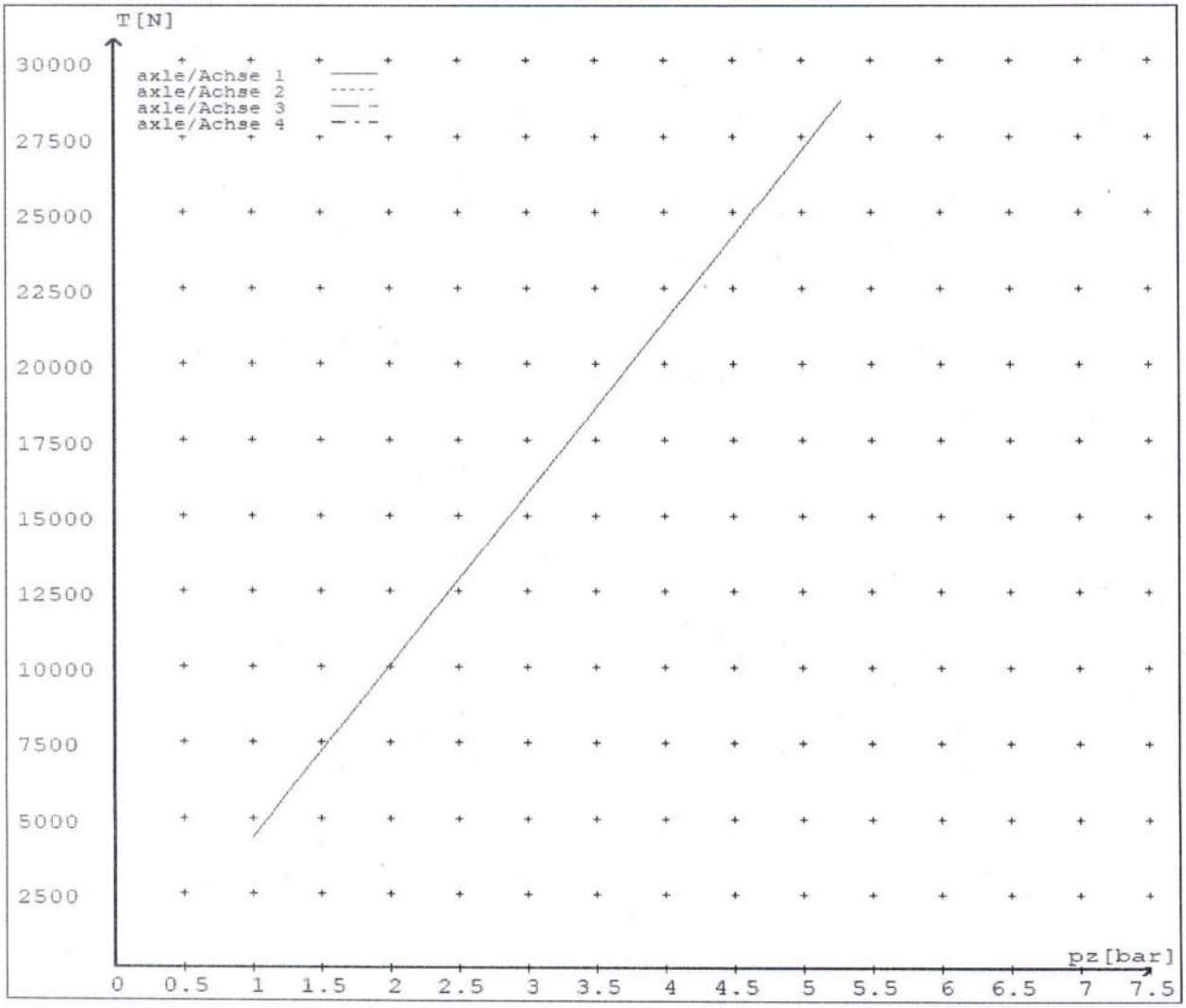
reference values

reference values for z = 45% for max rdyn: 421 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0 5.3	4374 28675	
axle 2	1.0 5.3	4374 28675	
axle 3	1.0 5.3	4374 28675	
axle 4	1.0 5.3		4374 28675

VIN - no.:

	Axle(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	T.14/24	T.14/24	14./	14./	/
Maximum stroke smax = ...mm maximaler Hub smax = ...mm	64	64	64	64	
Lever length = ...mm Hebellänge = ...mm	69.08	69.08	69.08	69.08	



GOUGH Transpecs

NOTICE TO VEHICLE OPERATOR

THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED AND FITTED IN ACCORDANCE WITH THE LAND TRANSPORT HEAVY VEHICLE BRAKE RULE 32015/4.

IF THIS VEHICLE IS OPERATED IN CONJUNCTION WITH NON-CERTIFIED VEHICLES, THERE MAY BE OPERATIONAL FACTORS WHICH NEED TO BE TAKEN INTO CONSIDERATION.

PLEASE REFER TO THE CERTIFIER FOR FURTHER INFORMATION.

EXCERPT FROM LAND TRANSPORT RULE; HEAVY-VEHICLE BRAKES RULE 32015/4. SECTION 10,

10.1 RESPONSIBILITIES OF OPERATORS

A person who operates a vehicle must ensure that the vehicle complies with this rule.

10.2 RESPONSIBILITIES OF REPAIRERS

A person who repairs or adjusts a brake must ensure that the repair or adjustment:

a) does not prevent the vehicle from complying with this rule;

b) complies with Land Transport Rule: Vehicle Repair 1998.

10.3 RESPONSIBILITIES OF MODIFIERS

A person who modifies a vehicle so as to affect the braking performance of the vehicle must:

a) ensure that the modification does not prevent the vehicle from complying with this Rule; and

b) notify the operator that the vehicle must be inspected and, if necessary, certified by person or organisation appointed to carry out specialist inspection and certification of heavy vehicle brakes.

IF YOU ARE UNSURE ABOUT YOUR RESPONSIBILITIES, PLEASE CONTACT THE VEHICLE MANUFACTURER, OR MYSELF.

COMPLAINTS. Complaints and Warranty issues which relate to Brake Certification will be acknowledged within 7 working days and a resolution proposed within 25 working days. Resolution of complaints and Warranty issues is subject to Transpecs Warranty policy. Customers have the right to appeal to the New Zealand Transport Authority if dissatisfied with a Compliance issue. (Refer NZTA Deed Of Appointment Para 47.4) **NZTA Helpdesk 0800 699 000**

(p.p.).....
(J.Hirst (JEH) HVEK)

GOUGH Transpecs

NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an **E**lectronic **B**rake **S**ystem.

To comply with the New Zealand Heavy Vehicle Brake Rule 32015/4, it must be used only in conjunction with a truck/tractor equipped with a 5 or 7 pin ABS/EBS power supply socket.
Failure to connect to such supply invalidates Brake Rule compliance.

The trailer ABS/EBS warning light on the towing vehicle dashboard must illuminate when the ignition is switched on and extinguish when the vehicle is in motion.
If the light does not illuminate when ignition is switched on, the system must be checked. If the light remains illuminated when the vehicle is in motion, Brake Rule compliance is compromised. Repairs must be made as soon as possible.

If you are unsure of your responsibilities and/or obligations, please contact either the vehicle manufacturer or myself.

(p.p.)
J E Hirst
(JEH HVEK)
(09 980 7300)

GOUGH Transpecs

NOTICE TO VEHICLE OPERATOR

WABCO Park Release Emergency Valve (PREV)

This trailer is equipped with a WABCO PREV
Part # 971 002 900 0

Application of the park brake via the cab control valve will actuate and apply all service brakes on the trailer. In the event of a leak in the service brake system the Spring Brakes will automatically override and hold the vehicle in compliance to Land Transport Rule: Heavy-vehicle Brakes Rule 32015/4.

When the vehicle is presented for COF the trailer park brake system is tested by pulling the red actuation knob on the PREV, situated mid way down the chassis rail. The cab control in the prime mover does not have to be applied for this test procedure.

If you are unsure of any aspect relating to this instruction please contact either the vehicle manufacturer or myself.

(p.p.)
J E Hirst
(JEH_HVEK)
(09 980 7300)

GOUGH TWL TRANSPORT WHOLESALE

GOUGH Transpecs

NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015-4
WORKSHEET, PROCEDURE DOCUMENTATION SHEET
& CONFIRMATION OF COMPLIANCE

CLIENT

MANUFACTURER:	DOMETT TRAILERS
ADDRESS:	TAURIKO, TAURANGA 3110
FLEET:	NOT SPECIFIED

VEHICLE DETAILS

VEHICLE TYPE:	4AS FLATDECK	**CERT #:**	JH190315
YEAR:	2019	**CALCULATION #:**	TP51876
MAKE:	DOMETT	**REGO:**	N/A
MODEL:	D1502	**LT400 #:**	
CHASSIS #:	1808	**ORDER NUMBER:**	*5979
VIN #:	7A9D15024J1023808		
GVM: *TONNES*	42	**PRIME MOVER:**	UNKNOWN
LOAD CONFIGURATION:	MIXED FREIGHT		

GROUP RATINGS: *TONNES*	**FRONT**	**REAR**
	16	26

WHEEL BASE: *METRES*	9.2

UNLADEN COG	**MAX HEIGHT**	**HEIGHT DECK**
0.75	4.3	1.222

COG: *METRES*	2.080

	FRONT	**REAR**	**TOTAL**
TARE: *TONNES*	1.9	5.7	7.6

	REAR
TYRE SIZE:	265/70 R19.5
ROLLING CIRCUMFERENCE: *MM*	2645
AXLE SPACING: *METRES*	4

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	SAF	SAF-ZI9W	TDB0749
POLEWHEEL TEETH #:	90	**STEER AXLE[S]:**	YES
LINING MATERIAL:	JURID 539	**BRAKE FACTOR:**	23.03
SENSED AXLES:	2 + 4		

SERIAL NUMBERS:

1	
2	
3	
4	
5	N/A

CHAMBER AND VALVING DETAILS

CHAMBERS:	**AXLE 1 & 2**	**AXLE 3**	**AXLE 4**
BRAND:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
SIZE:	1416HTLD	14HSCLD	14HSCLD
STROKE: *MILLIMETRES*	64	64	64
TEST REPORT #:	TSE derived	BZ 122.1 Sep '00	BZ 122.1 Sep '00
SPRINGBRAKE FORCE: *kN*	6.16	N/A	N/A
HOLDOFF PRESSURE: *kPa*	4.8	N/A	N/A
FOUNDATION BRAKE:	WABCO PAN19	WABCO PAN19	WABCO PAN19
LEVER LENGTH: *MILLIMETRES*	69	69	69

BRAKE VALVES:	**MAKE:**	**PART NUMBER:**	**PM PRESSURE:**
ECU PART #:	WABCO	480 102 08. 0	70 kPa
3RD MODULATOR #:	WABCO	480 207 202 0	70 kPa
ANTI-COMPOUNDING:	YES		
SPRING BRAKE RELAY:	WABCO PREV	971 002 900 0	
YARD RELEASE VALVE:	WABCO PREV	971 002 900 0	
TRACTOR PROTECTION:	N/A	N/A	

ECU DIRECTION: ☑ FRONT ☐ REAR

SMARTBOARD/OPTILINK: ☐ SMARTBOARD ☐ OPTI-LINK

SUSPENSION

	AXLES 1, 2 + 3	AXLE 4
SUSPENSION TYPE:	ELECTRONIC	ELECTRONIC
MAKE:	SAF_AIRSPRING	SAF_AIRSPRING
MODEL:	SAF_INTRA	SAF_INTRA
BELLOW SIZE:	2619, 300mm	2619, 300mm
HEIGHT CONTROL VALVE:	441 050 100 0	441 050 100 0
OTHER VALVES:	472 102 040 0	472 102 040 0
RIDE HEIGHT *MM*:	310-350	310-350
HANGER HEIGHT *MM*:	250	350
PEDESTAL HEIGHT *MM*:	100	40
LIFTAXLE:		N/A
TIPPING DUMP SWITCH:		N/A
LIFTAXLE VALVE:		N/A

AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2

	REAR
BRAKE TANK SIZE: *L*	46 + 46
AUXILLARY TANK SIZE: *L*	46
PRESSURE PROTECTION:	WABCO PEM: 461 513 002 0

AIR LINES

TEST POINTS:	
CONTROL LINE:	X 1
FIXED AXLE CHAMBERS:	X 2
STEER AXLE CHAMBER:	X 1
TANK:	X 1

ELECTRONIC HEIGHT SENSOR CALIBRATION

	TIMER TICKS	MILLIMETRE
UPPER LEVEL:		
NORMAL LEVEL:		330
LOWER LEVEL:		

CHECKS AT COMMISSION OF VEHICLE

CHAMBER BUNGS REMOVED: ☐ VALVE MOUNTING: ☐

ECU BLANKING PLUGS CHECKED: ☐ DUOMATIC DRILLED: ☐

RESPONSE TIME:	MODULATOR 2.1	MODULATOR 2.2	RELAY VALVE
ms:			

NOTES AND SPECIAL CONDITIONS

I UNDERSTAND AND DECLARE THAT I AM THE CERTIFIER IDENTIFIED BELOW AND HOLD A CURRENT VALID APPOINTMENT. I CERTIFY THAT AT THE TIME OF INSPECTION THE ABOVE MENTIONED VEHICLE COMPONENT DESIGN AND THIS CERTIFICATION COMPLIES IN ALL RESPECTS WITH THE LAND TRANSPORT RULE VEHICLE STANDARDS COMPLIANCE 2002 AND MY DEED OF APPOINTMENT. TO THE BEST OF MY KNOWLEDGE THE INFORMATION CONTAINED IN THIS CERTIFICATE IS TRUE AND CORRECT.

NEW ZEALAND HEAVY VECHLE BRAKE RULE 32015 /4, SCHEDULE 5.

DATE: 26/03/2019

SIGNED:

CERTIFIER NAME & ID: JOHN HIRST JEH

SODC BY: CHRIS CLARKE CJC

PHONE (BUS): 09-980-7300

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